



KANSAS GEOLOGICAL SOCIETY

BULLETIN

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Douglas V. Davis, Jr.

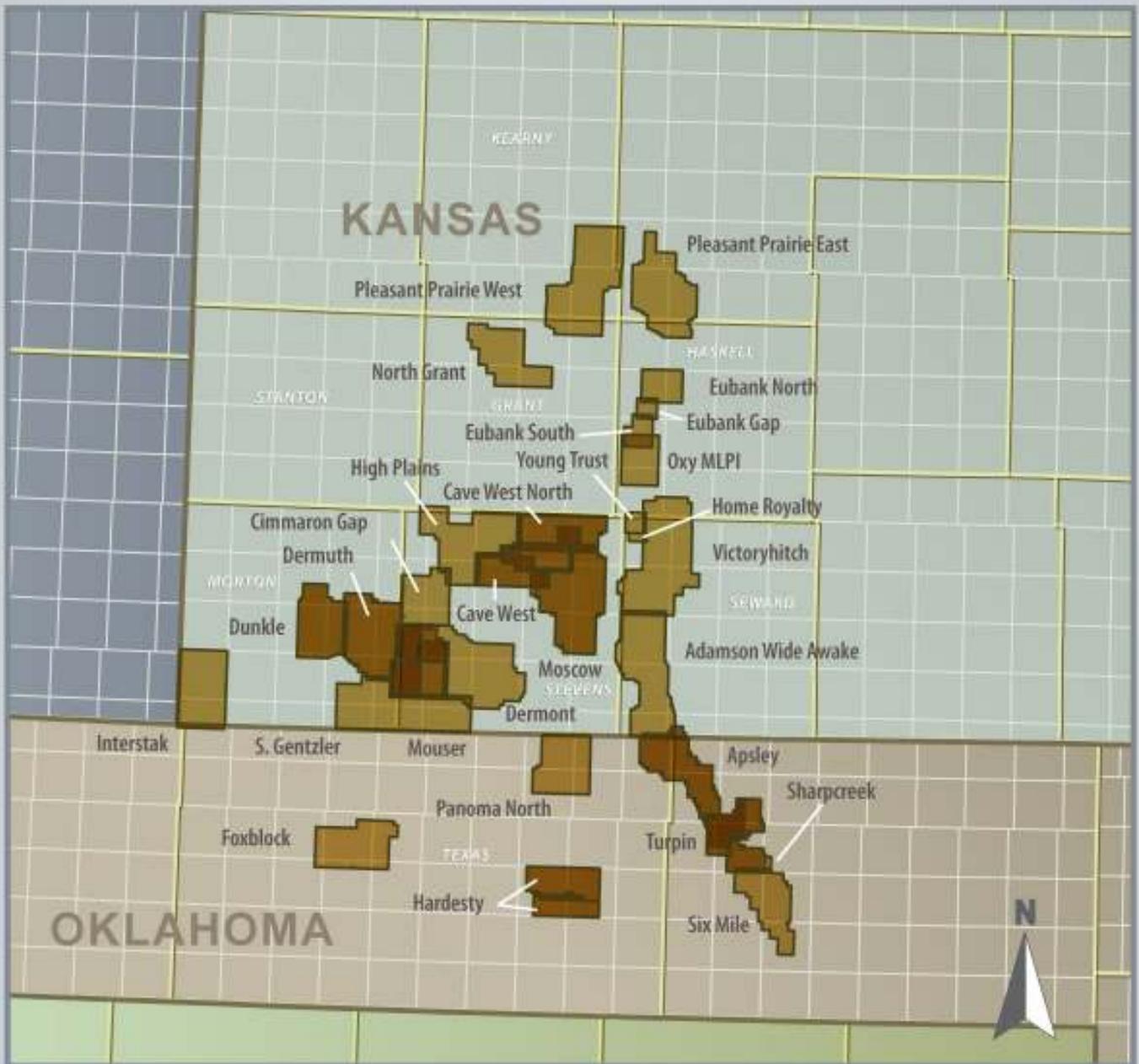
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ON THE COVER:

Picture of early University of Kansas Geology field trip, circa 1920's?
Anyone recognize anyone? More of these photos on page 11.

CALL FOR PAPERS

The Kansas Geological Society Bulletin, which is published bimonthly both in hard-copy and electronic format, seeks short papers dealing with any aspect of Kansas geology, including petroleum geology, studies of producing oil or gas fields, and outcrop or conceptual studies. Maximum printed length of papers is 5 pages as they appear in the Bulletin, including text, references, figures and/or tables, and figure/table captions. Inquiries regarding manuscripts should be sent to Rebecca Radford, manager@kgslibrary.com or mailed to 212 N. Market, Ste. 100, Wichita, KS 67202. Specific guidelines for manuscript submission appear in each issue of the Bulletin, which can also be accessed on-line at the Kansas Geological Society web site at <http://www.kgslibrary.com>

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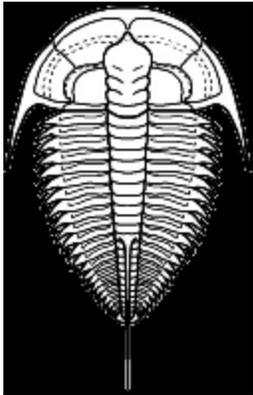
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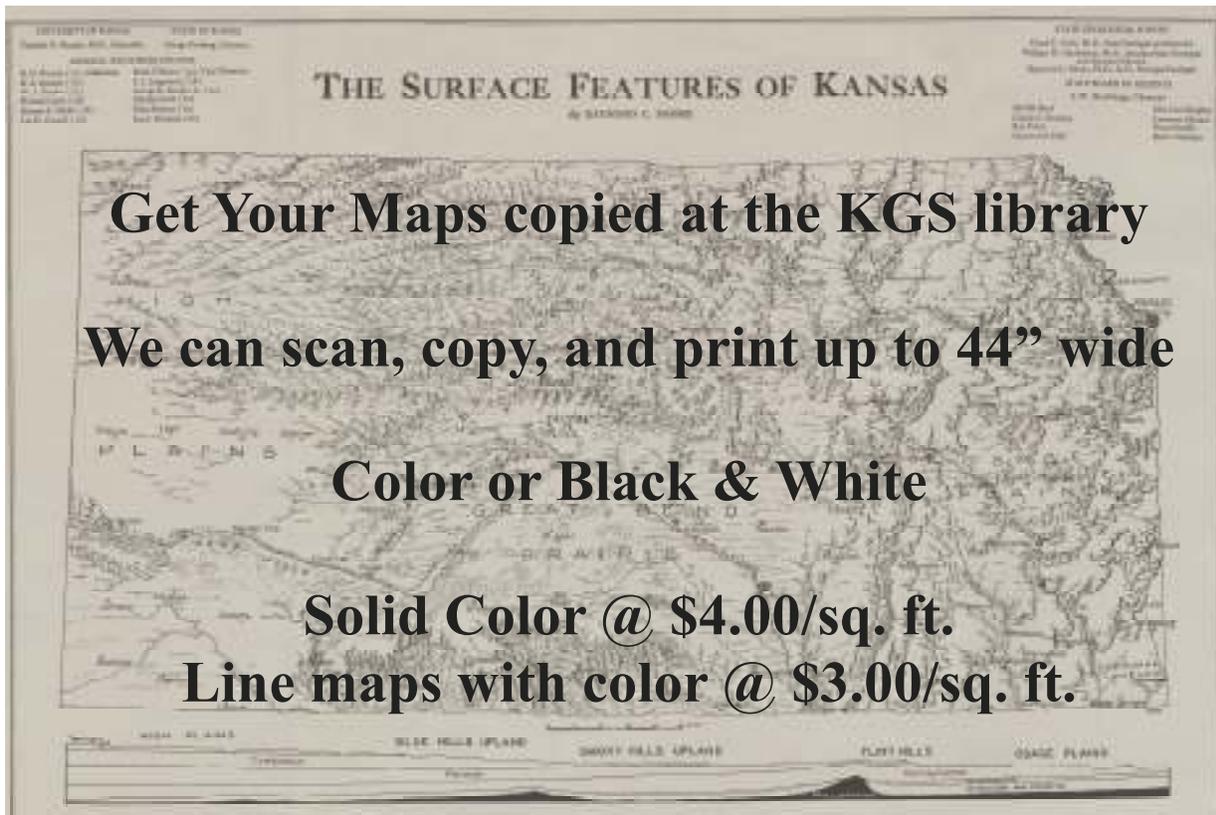
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President's Letter

Greetings everyone. I hope you had a wonderful Christmas and New Year holiday.

Well..... what a year 2015 was. The price of crude dropped throughout the year, later followed by natural gas prices. This led to our rigs being shut down, trucks parked, oil field workers displaced and most drilling programs and prospects put on hold. Another replay of 1981, '86, '97 and 2008. But this time, we in part, are a piece of the problem, by drilling and discovering abundant new reserves throughout the United States. We are dreamers and scientists with natural problem solving processes that can turn thoughts into reality with a can-do attitude. Our quest to be the best in the business, has allowed us to improve horizontal and vertical drilling designs, advanced electronic logging suites, more definitive 3-D software, new formations to produce from, and new well completion techniques that range from simple acid jobs to complicated fracture treatments. We, as Oil Industry Americans, finally stepped above the bureaucratic red tape and regulations to basically becoming a self-sufficient energy nation, without any outside help. Congratulations to all of you.



Photo by A.J.

But this new independence has caught the eye of a few in OPEC, who see us as a threat and want to rebalance the market. Until our product prices increase, which makes our deals easier to promote, we'll have to reorganize, re-group and re-think how we want to market our ideas, prospects and drilling programs to this new world rebalancing. We have done it before and will do it again.

In regards to our Kansas Geological Library, the new Board is made up of a great group of individuals. We've added some young newcomers and retained a few who have been through these times before and survived. It will be these individuals who will help guide the library through this episode of our existence. Tom Hansen and Jon Callen graciously accepted my call to join the Board as advisors. Their knowledge of the industry and the economics of the KGS will be a great benefit to our organization. Our past boards, committees, staff, the KGS Survey and in a way, certain aspects of the Kansas Corporation Commission, has allowed us to become one of the premier and most respected geological libraries in the US. It is our desire and obligation to continue to build on what our forefathers started in 1923.

Our current lease at Landmark Square is up in December, with the current Board starting to renegotiate our leased space. The Future Plans Committee continues the difficult task of trying to predict our future growth, ranging from economic trends, to membership totals. And among other things, hopefully a more permanent home that would help stabilize the increases of one of our bigger operational expenses and allow for future expansion and storage of new geologic data. That in turn will permit us and future boards to focus more on the KGS's overall growth, its member's needs, data integration and above all, the preservation of that data.

As members, please try to support, to the best of your ability, the upcoming 2016 KGS functions. These events are who we are and what we've become. Let's all look forward to a better 2016.

Respectfully

Tim Hellman
President

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From The Manager

Dear Members,

Happy New Year to you all. 2016 promises to be a challenging year for us in the oil industry. But I'm here to remind you of what tough people you all are and you will weather this storm.

Your library has had to cut back on staff for the second time this year. We are hoping this downturn won't last too long but we are preparing for it to be a while before we start seeing much activity in Kansas again. But this is a good time to do your prospecting and that is why your library is here. You can come in and browse the files and work up some new areas and be ready for the upturn. We have plenty of booth space available and would love to see some folks working in the booths again!

We have our upcoming **KGS Annual Banquet** to look forward to at the end of this month. We will be inducting **Doug Davis into Honorary membership**. Doug has given a lot of time to the Society so I hope you will come out and help us celebrate with him on Friday evening, January 29th at the Petroleum Club.

Our outgoing President, Frank Mize, will also be presenting a special award to **Mr. Leonard Margheim** at the banquet. Many of you know Leonard as I hear he taught most of you how to interpret logs. Here's an opportunity to return some appreciation by showing up to honor him.

I threatened to throw away the old maps in my last letter but I am still hanging onto a few so please come down and look through them, there might be that piece of information you have been searching for.

Stay warm this January and February and keep your attitudes in a positive state!

Respectfully submitted,

Rebecca Radford

Manager



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Honorary Profile—Douglas V. Davis, Jr.



This year the Kansas Geological Society has chosen to honor one its most prominent and active members. Doug was born in Newton, Kansas in 1947 where his father worked for Rainbow Neon Sign Company and his mother was a housewife. He has one sister still residing in Newton. His schooling commenced in Newton, Kansas, and he graduated from Newton High School in 1965.

During and after high school, Doug worked as a welder at Excel Industries in Hesston, Kansas. Doug entered Wichita State University in 1967 and graduated in 1973 with majors in Geology and Secondary Education. He studied under Jim Myers, J.R. Berg, and John Gries. Classmates at WSU included Larry Richardson, M.L. Korphage, Jim Dilts, Hal Clark and Brad Rine. Prominent geologists that he associated with in his early career included Innes Phillips, Bob Dilts, Robert Walters and Bob Gutru. He worked for High Plains Consulting and in 1979 he and Hal Clark started Clark-

Davis Inc. In 1986 he became a geological consultant and also taught high school for several years. 1990 to 1995 Doug worked as a consultant for Charter Production Company. In 1996, he began consulting for American Energies which is now TREK AEC. As he pursues his profession, he believes he has received inspiration from and has been influenced by Ernie Morrison and Alan DeGood.

Doug has been a very active participant in technical societies, serving as President of the Kansas Geological Society in 2011. He presently is serving as Vice President of the Mid-Continent Section of the American Association of Petroleum Geologists, and will be President in 2017. He was also a member of the Kansas Well Logging Society. Doug received the Meritorious Service Award from AAPG at the last Mid-Continent Section Meeting in Tulsa this past fall.

In 1978 he married Verla Wekkin and raised 4 children. Verla passed away in 2010. He is now engaged to Dottie Schiltz. Doug has many other interests and has served as President of the Wichita Scottish Society and was a very active member in the Wichita Blues Society and also served three terms as President of the Wichita Jazz Festival. Not to be idle, Doug also was one of the gunfighters, “the 1880’s Gang”, at Cowtown.

Good geological memories include taking a group of high school students from East High School, in 1972, on a week-long trip through the southwest including hiking to the bottom of the Grand Canyon.

With changing times in industry, Doug has been fortunate to be the wellsite geologist on horizontal wells in the Peabody area. He has recently been the wellsite geologist on tests drilled in Nebraska by Marlan Downey, Past-President of the AAPG. Over Doug’s career, he has spent a great deal of time teaching others. Starting back in undergraduate days at WSU, he taught the likes of Richard Jordan, Terry McLeod and Chuck Immich, mineralogy. Over the years, he has continued to lecture for Wichita State, recently teaching the 201 introductory geology course.

This is perhaps too short of a description of very successful career of one of the KGS’s most prominent geologists. As many geologists do, Doug continues to work and is still looking for his million barrel oilfield!

University of Kansas Geology Department

Circa 1920's

These photos were donated by Jan Schaake, brother to the late Dean Schaake, KGS Member. Their great uncle was on this trip. We are assuming this was Field Camp. Where were they going?



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Photo by A.J.

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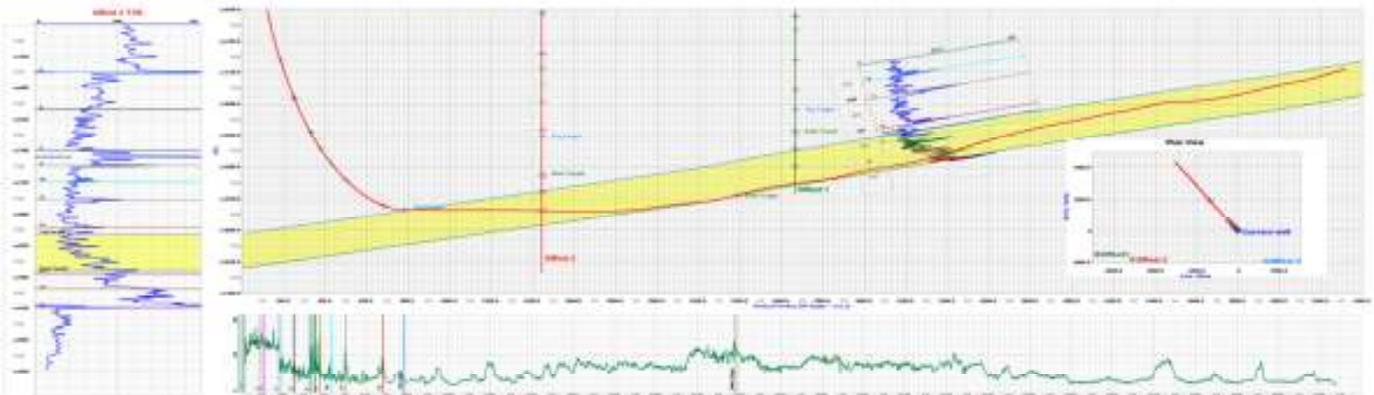
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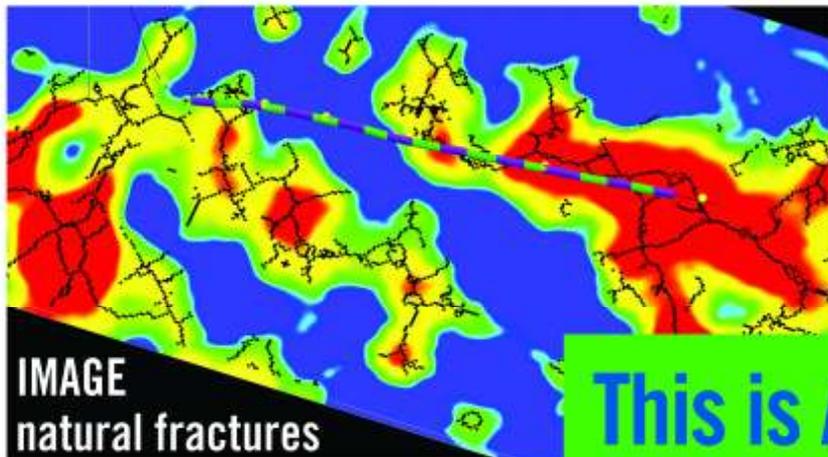
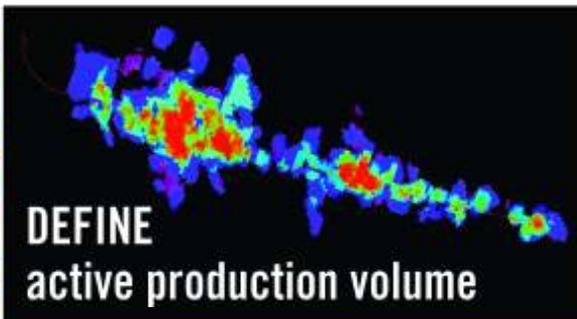
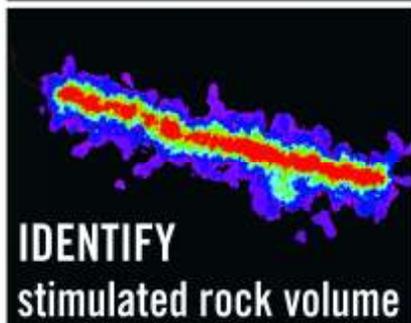


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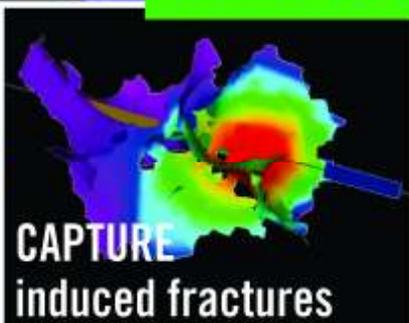


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This Year's Theme: Spreading the Word About DPA

By Michael R. Canich

The Division of Professional Affairs (DPA) is one of several divisions within the American Association of Petroleum Geologists (AAPG). Over the past year as DPA president-elect I considered choosing a theme for my term in office. I thought of all the educational and networking opportunities that were initiated during the terms of past DPA presidents, in addition to the basic function of DPA to provide certification for petroleum geologists, geophysicists and coal geologists. But as I spoke with active and associate AAPG members, I realized very few of them knew of all the great programs DPA offers.

So I have chosen "**Spread the Word**" as my theme.

The next step, of course - is to execute this theme. Obviously we have to inform the professional community of the advantages open to them by becoming part of DPA. This communication will need to come in various forms and from multiple directions. One example is to publish in newsletters across the globe about DPA. Another is through personal interaction at local, national and international meetings. The most effective method, however, is the one-on-one contact, which I had at the AAPG Annual Convention and Exhibition in Denver, the International Convention and Exhibition in Melbourne, Australia, and the Eastern, Mid-Continent and GCAGS section meetings, in Indianapolis, Tulsa and Houston, respectively.. At these meetings, I spoke with many attendees, including students as well as early, middle and late career geoscientists. I was amazed by the number of AAPG members who had never heard of DPA, and by how many who did know of DPA but did not realize it was a division of AAPG. Many others who knew of DPA did not understand fully all of the services it provides to its members and others.

Here are some basic facts about the Division of Professional Affairs:

- ◆ Founded in 1965 as a division of AAPG, its primary charge was to develop and implement a certification process for AAPG members to promote professionalism and ethical standards for the AAPG.
- ◆ Currently, 2,595 petroleum geologists, petroleum geophysicists and coal geologists are certified. Candidates are reviewed by their peers with regard to their technical education and experience as well as their professionalism.
- ◆ DPA has developed and teaches onsite and online ethics courses.
- ◆ DPA sponsors technical educational opportunities at local, regional, national and international venues, some of which are captured on the videos available on the DPA webpage.

Examples are the Discovery Thinking Forums, which have been held at the annual and international conventions each year since 2008, and the Playmaker Forums, which have been held twice in Houston and once each in Midland, Calgary and London, respectively.

Both of these educational opportunities have been very successful and will be offered at future meetings in various venues.

- ◆ DPA provides a broad professional network across multiple disciplines, industry and academia.
- ◆ DPA provides an opportunity to hold leadership positions.
- ◆ DPA's Government Affairs Committee provides updates to state licensing initiatives as well as other legislative actions that will affect all AAPG members.

Continued on pg.18

This is a quick overview of the DPA and its programs and benefits.

If you are not a member, we would like you to consider becoming one. I would like to suggest that you contact a DPA member and ask him or her to speak with you about the benefits of joining. If you don't know a DPA member in your area, please email me and I will ask a DPA member to contact you.

Please join with me to spread the word.



Michael Canich is the DPA President from 2015-2016. Division Column-DPA The Division of Professional Affairs (DPA), a division of AAPG, seeks to promote professionalism and ethical standards, provide a means for professional certification of petroleum geologists, coal geologists, and petroleum geophysicists, assist in career planning, and improve the professional well-being of AAPG members. For more information about the DPA and its activities, visit the DPA website. - See more at: <http://dpa.aapg.org/>

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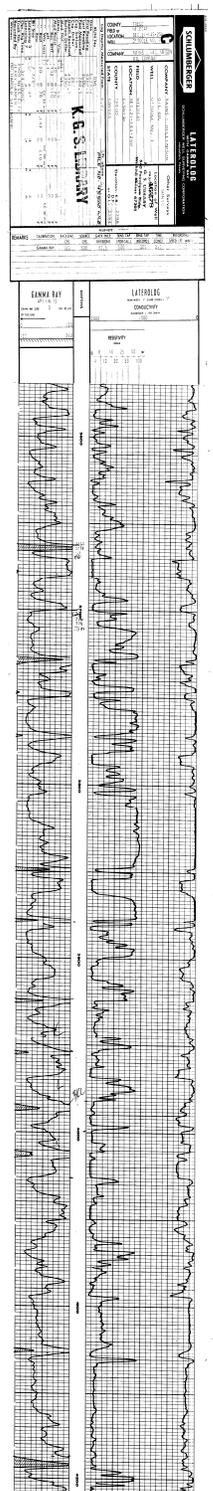
The Mid Continent Section has **17 AAPG Student Chapters**, but only **3 Visiting Geoscientists**...which makes it almost impossible to have a professional geoscientist visit to each school at least once a year or even once every two years. The aim of AAPG's program is to give students a flavor of a professional life in energy resources. It also hopes to encourage dialog between industry and academia.

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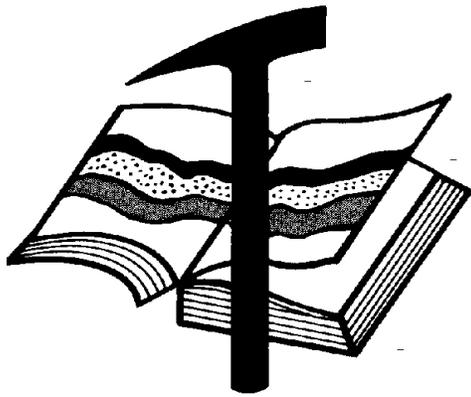
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The Kansas Geological Foundation provides the following services as a part of the organization's commitment to educate the public regarding earth science.

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The Kansas Geological Foundation was founded in March, 1989 as a not-for-profit corporation under the guidelines of section 501(c)(3) of the tax code to provide individuals and corporations the opportunity to further the science of geology. It is dedicated to providing charitable, scientific, literary and educational opportunities in the field of geology for the professional geologist as well as the general public.

KGF can receive in-kind donations through which the donor may receive a tax deduction. Of equal importance, the KGF provides the financial resources to sort, process and file this data at the KGS library. If you have a donation to make, please contact the KGF at 265-8676.

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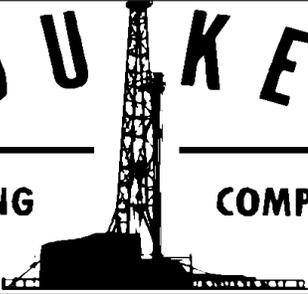
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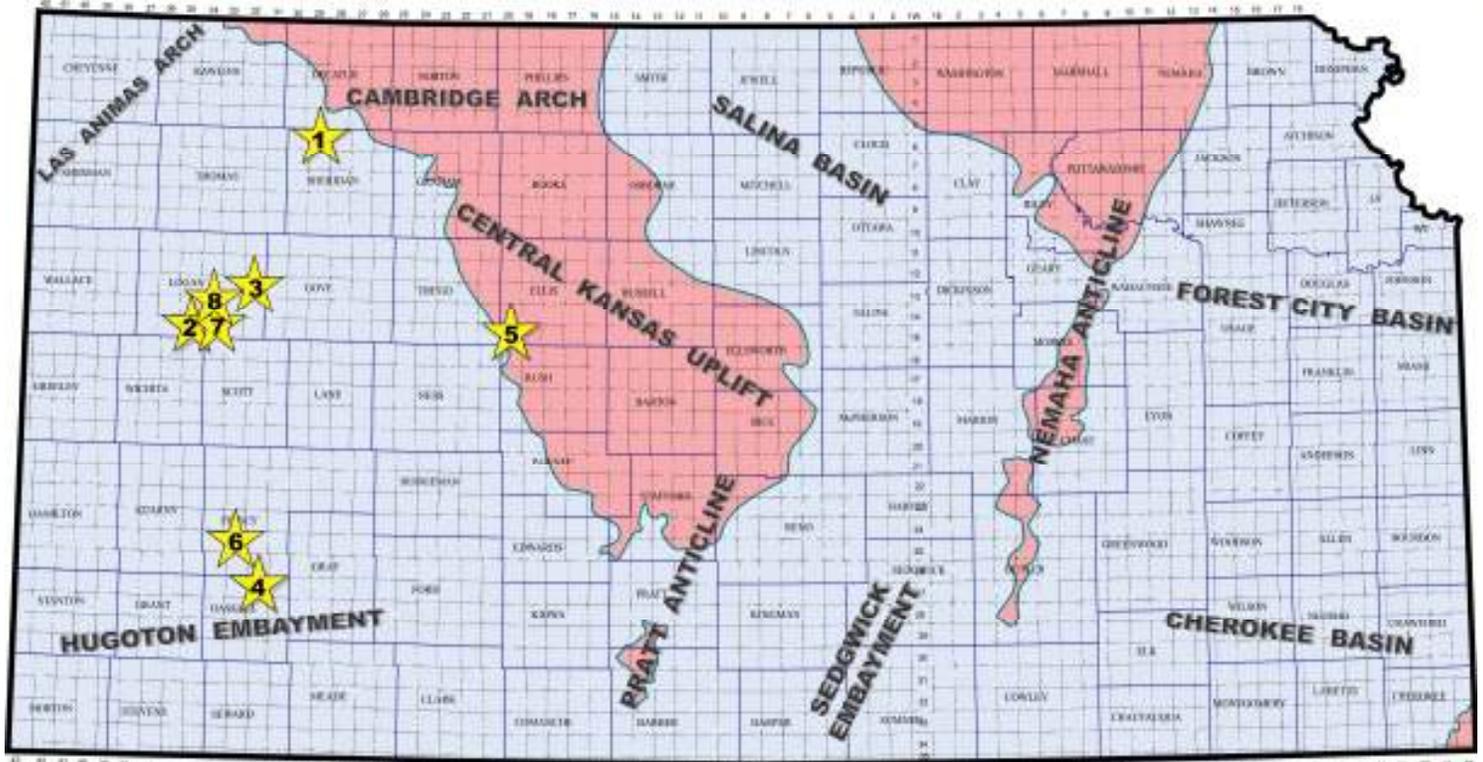
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Exploration Highlights

By John H. Morrison, III
Independent Oil & Gas



1- L.D. Drilling, Inc., Great Bend (KS), has discovered new oil reserves in the Cherokee and Mississippian formations at their #1 Shuler 17-B, spotted in the NW/4 of section 17- T 6s- R 29W, in Sheridan county. The Selden pool discovery well found the crude oil deposits almost two miles northwest of established Lansing - Kansas City oil production in the Wessel North Field (estbl: 1953), and slightly over one mile southwest of the town of Selden. Rotary total depth is 4,555 ft.

2- Ritchie Exploration, Inc., Wichita (KS), has completed their #1 Edwards 17-B in Logan County. The wildcat well opens the Rattlesnake Ridge Field ten miles south and three miles west of Russell Springs. Operator found the Marmaton (Altamont limestone) to be a productive zone at site located in the NW/4 of section 17- T 15s- R 35W. Closest established production in the area is situated over one mile away in the Dirks North Field (estbl: 1982, Marmaton oil).

3- Shakespeare Oil Company, Inc., Salem (IL), is producing crude oil from the Morrow formation at their #2-23 Bader, located in the SW/4 of section 23- T 13s- R 32W, in Logan County. Operator drilled the well to a total depth of 4,715 ft. The well has been recognized as an infield wildcat discovery

within the Stratford Southwest Field, which Shakespeare also discovered in 2006. Marmaton and Cherokee zones have also proven to be productive in the vicinity. The Bader lease is located fifteen miles south of Oakley, Kansas.

4- Raydon Exploration, Inc., Oklahoma City (OK), is producing an undisclosed amount of crude oil at their #1-29 K & G new pool discovery in Haskell County. The well targeted the Mississippian (St Louis) formation when it was drilled in August in the NW/4 of section 29- T 27s- R 32W, about thirteen miles north of Sublette. Actual pay zone has not been disclosed. The well was drilled to a total depth of 5,557 ft by Quest Drilling Services tools. The new Prairie Dunes North Field lies almost three miles northeast of Merit Energy Company's #1 Warner (G), which has produced over 38,000 bbls of oil from the Mississippian Chester formation since being discovered in June of last year.

5- Cynosure Energy LLC, Denver (CO), has a new Cherokee oil pay discovery in Ellis County with the completion of the #1-1-15-20 Wann Farms. Located in the NW/4 of section 1- T 15s- R 20W, the well extends production in the well one-well Shooting Star East Field, which has produced over 11,000 bbl of crude from the Lansing - Kansas City and Arbuckle

formations since 2013. Duke Drilling tools bottomed the well at a total depth of 3,800 ft. Field area is located four miles north and nine miles west of the town of Schoenchen, Kansas.

6- Merit Energy Company LLC, Dallas (TX), is producing 46 bbl of water-free oil per day at their #6 Drussel 'A' - a wildcat venture spotted in the NE/4 of section 27- T 25s- R 33W, in Finney County. The new Coyote Northeast pool opener is producing commingled crude from the Marmaton (Altamont, 4,512 to 4,517 ft), Upper Morrow (4,873 to 4,786 ft) and Lower Morrow (4,964 to 4,976 ft). Total depth was reached at 5,322 ft. The well has produced 2,317 bbl oil during the first month. Field area lies seven miles south and two miles west of Garden City, Kansas.

7- Concorde Resources Corporation, Eufaula (OK), has discovered Mississippian oil reserves at their #1-12 McDaniel, SW/4 of section 12- T 15s- R 34W, in Logan County. The new pool opener was drilled to a total depth of 4,560 ft at site located about ten miles south and seven miles east of the town of Russell Springs. Field area lies nearly two miles northwest of closest established production in the Touchstone West oil field (estbl: 2012, Lansing-Kansas City and Morrow).

8- Culbreath Oil & Gas Company, Tulsa (OK), has established new production about five miles south and three miles east of Russell Springs in Logan County. The #1-21 K. S. Baker, spotted in the NE/4 of section 21- T 14s- R 34W, is producing oil from the Marmaton formation. Total depth was obtained at 4,820 ft. Well site lies over three-quarters mile northeast of the Lone Butte oil field (estbl: 2012, Marmaton).



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President's Day**

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KGS BULLETIN
 January—February 2016

January 2016

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					1 Library Closed	2
3	4	5	6	7	8	9
10	11	12 KGS Board	13 KGF Board	14	15	16
17	18	19	20	21	22	23
24	25	26 Tech Talk	27	28	29 KGS Banquet	30
31						

February 2016

Sun	Mon	Tue	Wed	Thu	Fri	Sat
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7	8	9 KGS Board	10 KGF Board	11	12	13
14 	15 Library Closed President's Day	16	17	18	19	20
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